

Claims

1. Areal implant with a mesh-like basic structure (10; 20; 30) and a reinforced zone (12; 22, 24; 32) in a central area of the basic structure (10; 20; 30).
- 5 2. Implant according to claim 1, characterized in that the strength of the reinforced zone (22, 24) decreases towards the peripheral area of the basic structure (20).
- 10 3. Implant according to claim 2, characterized in that the reinforced zone (22, 24) has a homogenous central area (22) and a zone (24) of lower strength surrounding the homogenous central area (22).
- 15 4. Implant according to one of claims 1 to 3, characterized in that the reinforced zone (12; 22, 24; 32) is mesh-like and has a smaller pore size than the peripheral area of the basic structure (10; 20; 30).
- 20 5. Implant according to one of claims 1 to 4, characterized in that radial reinforcing elements (34, 36) extend from the reinforced zone (32) towards the peripheral edge (31) of the basic structure (30).
- 25 6. Implant according to claim 5, characterized in that at least one radial reinforcing element (36) is widened in the area of the peripheral edge (31) of the basic structure (30).
- 30 7. Implant according to one of claims 1 to 6, characterized in that the basic structure (10; 20; 30) is weft-knitted or warp-knitted.
8. Implant according to claim 7, characterized in that the implant is weft-knitted or warp-knitted in one piece.

ETH1475

9. Implant according to one of claims 1 to 7, characterized in that the reinforced zone (12) is made in one piece in the form of a reinforcing part, preferably weft-knitted or warp-knitted, and is attached to the separately produced basic structure (10).
10. Implant according to one of claims 1 to 7 in conjunction with claim 5 or 6, characterized in that the reinforced zone (32) together with the radial reinforcing elements (34, 36) is made in one piece in the form of a reinforcing part, preferably weft-knitted or warp-knitted, and is attached to the separately produced basic structure (30).
11. Implant according to one of claims 1 to 10, characterized by non-resorbable material.
12. Implant according to claim 11 characterized in that the non-resorbable material comprises at least one of the substances selected from the following group: polypropylene, polyamide, polyester.
13. Implant according to one of claims 1 to 12, characterized by resorbable material.
14. Implant according to claim 13, characterized in that the resorbable material comprises at least one of the substances selected from the following group: copolymer made from lactide and glycolide, poly-p-dioxanone.
15. Implant according to claim 13 or 14, characterized by a stiffening element made from resorbable material.
16. Implant according to claim 15, characterized in that the stiffening element is formed as a coating of material of the implant.

ETH1475

17. Implant according to claim 15 or 16, characterized in that the stiffening element is formed as a film.

12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

ETH1475